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NATIONAL COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

Vol. 16, No. 29

WEEKLY REPORT

Week Ending July 22, 1967

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

BUREAU OF DISEASE PREVENTION AND ENVIRONMENTAL CONTROL

SURVEILLANCE SUMMARY
PARALYTIC POLIOMYELITIS – Weeks 1-29, 1967

For the first 29 weeks of 1967 (through July 22), 15 cases of paralytic poliomyelitis were reported to the Neurotropic Viral Diseases Unit, Epidemiology Program, NCDC. (Thirteen of these cases have been officially reported by telegram through the National Morbidity Reporting System.) This is the lowest total recorded for the first 29 weeks of any year since the surveillance program was started in 1955.

The 15 cases were reported from 10 states: Texas-5, New York-2, and one each from Illinois, Iowa, Kansas, Maryland, Mississippi, North Carolina, Oklahoma, and Pennsylvania.

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In Table 1, the cases are listed by age and type of poliovirus. Nearly two-thirds of the cases were in children under 5 years of age, 4 cases were in adults between the ages of 30 and 39, and 2 cases were in children from 5 to 9 years of age. The dates of onset of the patients are shown by 4-week intervals and by type of poliovirus in Figure 1. Four cases have been caused by type 1 poliovirus and 5 cases by type 2; in 6 cases the type is not known.

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CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	29th WEEK ENDED		MEDIAN 1962 - 1966	CUMULATIVE, FIRST 29 WEEKS		
	JULY 22, 1967	JULY 23, 1966		1967	1966	MEDIAN 1962 - 1966
Aseptic meningitis	48	62	62	1,038	924	828
Brucellosis	4	3	6	153	123	202
Diphtheria	1	6	3	57	90	144
Encephalitis, primary:						
Arthropod-borne & unspecified	31	35	- - -	746	757	- - -
Encephalitis, post-infectious	16	16	- - -	511	503	- - -
Hepatitis, serum	39	24	617	1,156	730	23,131
Hepatitis, infectious	598	593		21,585	18,458	
Malaria	28	16	2	1,098	181	48
Measles (rubeola)	356	1,418	2,637	56,049	184,028	348,248
Meningococcal infections, total	33	52	40	1,510	2,448	1,711
Civilian	30	50	- - -	1,402	2,184	- - -
Military	3	2	- - -	108	264	- - -
Poliomyelitis, total	2	10	10	15	41	53
Paralytic	2	8	8	13	37	42
Rubella (German measles)	438	334	- - -	38,319	39,866	- - -
Streptococcal sore throat & scarlet fever	4,706	4,353	3,911	292,061	277,373	257,392
Tetanus	8	5	8	108	88	129
Tularemia	6	5	6	88	89	152
Typhoid fever	12	6	11	217	174	209
Typhus, tick-borne (Rky. Mt. spotted fever)	8	17	17	133	118	111
Rabies in animals	108	75	71	2,557	2,441	2,441

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Rabies in man:	–
Botulism:	2	Rubella, Congenital Syndrome:	4
Leptospirosis: La.-1	21	Trichinosis:	43
Plague:	1	Typhus, murine: Kans.-1	24
Psittacosis: Tex.-1	28	Polio, Unsp.	2

PARALYTIC POLIOMYELITIS – Weeks 1-29, 1967

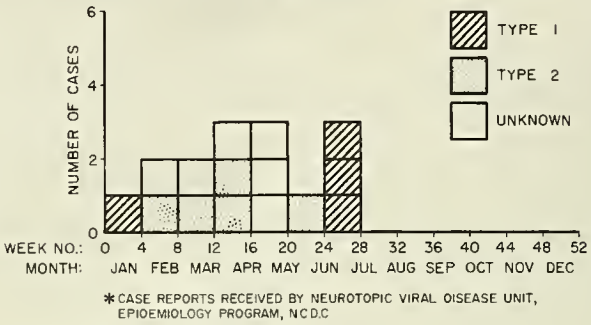
(Continued from front page)

Table 1
Porolytic Poliomyelitis Coses*
By Age ond Type of Poliovirus
Weeks 1-29, 1967

Age	Type of Poliovirus				Total
	I	II	III	Unknown	
0-4	3	2	–	4	9
5-9	–	–	–	2	2
10-19	–	–	–	–	–
20-29	–	–	–	–	–
30-39	1	3	–	–	4
40+	–	–	–	–	–
Total	4	5	–	6	15

*Case reports received by the Neurotropic Viral Diseases Unit, Epidemiology Program, NCDC.

Figure 1
PARALYTIC POLIOMYELITIS CASES*
BY DATE OF ONSET AND TYPE OF POLIOVIRUS
1967


NUMBER OF CASES
0
2
4
6
TYPE 1
TYPE 2
UNKNOWN
WEEK NO.: 0 4 8 12 16 20 24 28 32 36 40 44 48 52
MONTH: JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

*CASE REPORTS RECEIVED BY NEUROTOPIC VIRAL DISEASE UNIT, EPIDEMIOLOGY PROGRAM, NCDC

Thirteen of the 15 patients had received no polio vaccine. Only one of the remaining two had received "adequate immunization." An agammaglobulinemic 30-year-old male who had received 3 doses of monovalent OPV in 1963 subsequently developed paralytic illness attributable to type 2 poliovirus. The isolate was identified as "non-vaccine-like." Although no cases were reported in recipients of oral polio vaccine, two cases had had contact with a recipient of oral vaccine. Both occurred in adults whose children had received oral polio vaccine 28 and 35 days, respectively, before the onset of illness. These two cases were both attributable to type 2 poliovirus; one was confirmed by serology and the other by isolation of a "vaccine-like" type 2 virus from a stool specimen. *(Reported by the Neurotropic Viral Diseases Unit, Epidemiology Program, NCDC.)*

MEASLES – Weeks 1-28, 1967

For the first 28 weeks of 1967, 55,693 cases of measles were reported. This is the lowest total reported for this time interval since national morbidity reporting was started in 1912. The totals of measles cases reported for the first 28 weeks of 1962 through 1967 are shown in Figure 2. The decrease in reported measles is more evident when the cases are shown by seasonal distribution (4-week intervals) for the epidemiologic years 1964-65, 1965-66, and 1966-67 (Figure 3). Although a definite seasonal peak is notable this year, it is considerably lower than that observed for the previous 2 years.

The geographic distribution of measles cases by rates per 100,000 for the first 28 weeks of 1966 and 1967 is illustrated in Figures 4 and 5. In 1966, 16 states had rates less than 25; of the 16, only 9 states had rates less than 10. For the same year, 17 states had rates over 100. In 1967, however, the number of states with rates under 25 rose to 26, 17 of which had rates lower than 10. Only four states still had rates higher than 100/100,000. *(Reported by Epidemiology and Immunization Programs, NCDC.)*

Figure 2
REPORTED MEASLES, UNITED STATES
FIRST 28 WEEKS, 1962-1967

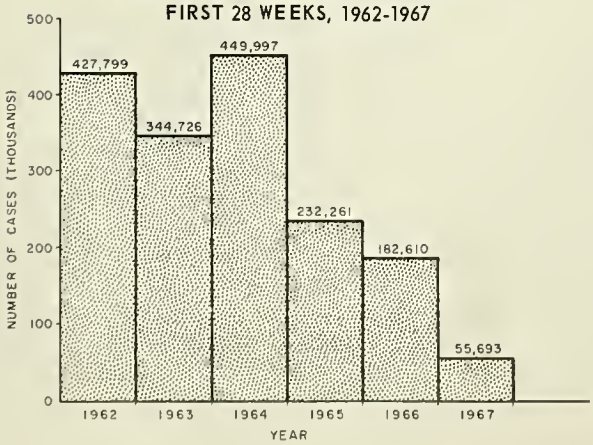


Figure 3
REPORTED MEASLES BY FOUR-WEEK PERIODS
UNITED STATES EPIDEMIOLOGIC YEAR, 1966-67
COMPARED WITH 1964-65 AND 1965-66

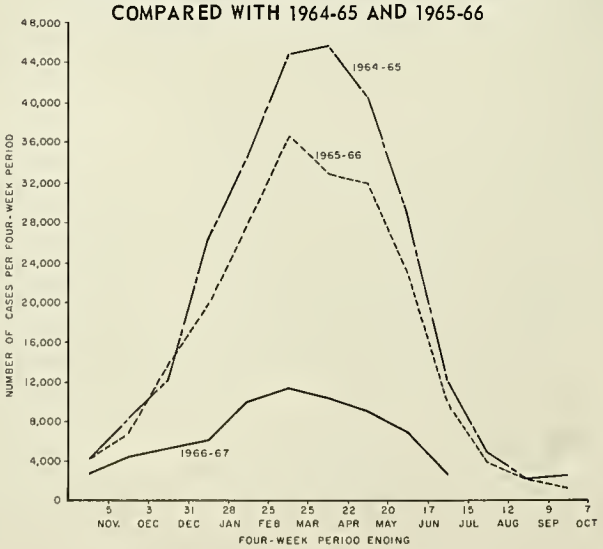


Figure 4
MEASLES CASE RATE PER 100,000 POPULATION
FIRST 28 WEEKS
1966

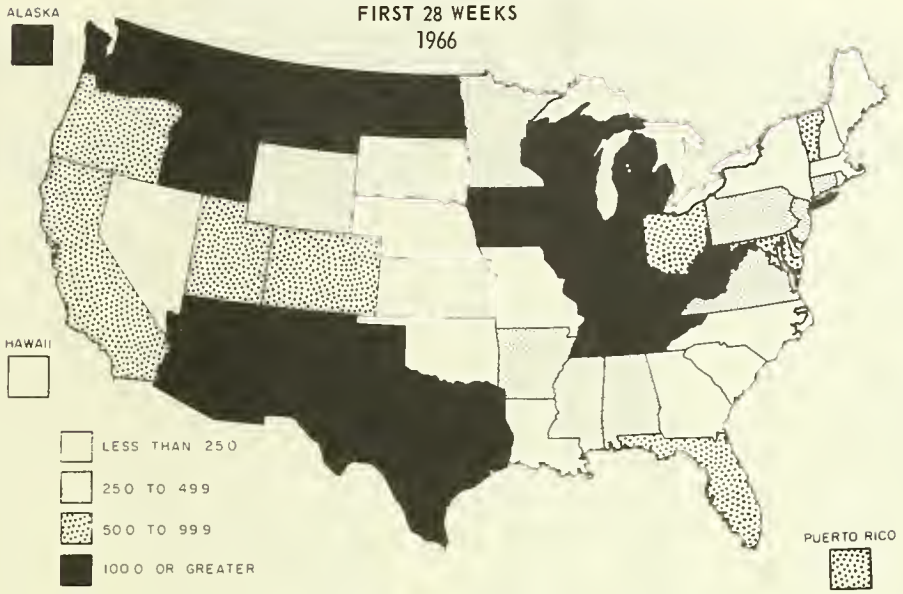
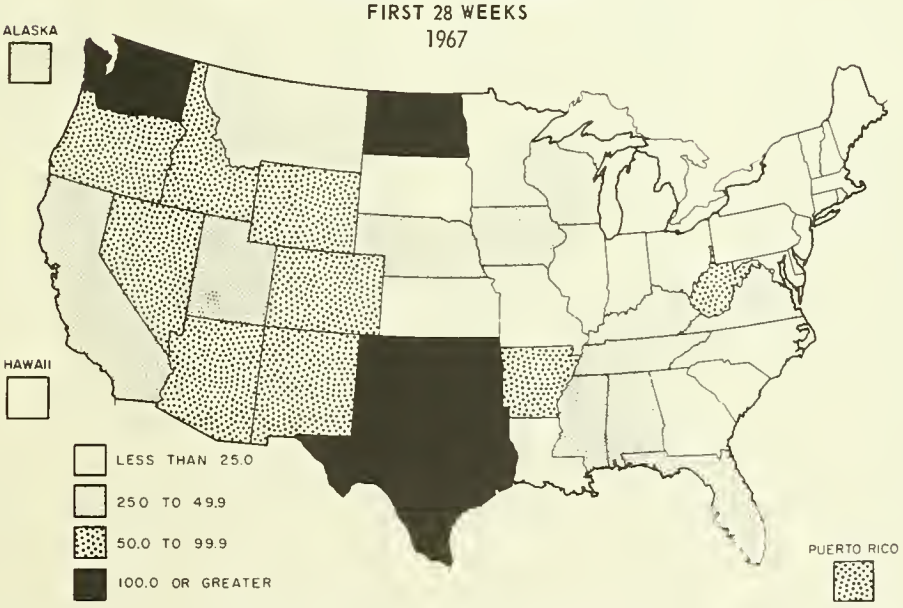


Figure 5
MEASLES CASE RATE PER 100,000 POPULATION
FIRST 28 WEEKS
1967



EPIDEMIOLOGIC NOTES AND REPORTS

INTRODUCED MALARIA – Fort Campbell, Kentucky

Two cases of introduced malaria were recently reported in servicemen stationed at Fort Campbell, Kentucky. In both cases the diagnosis was made on July 5, 1967, following identification of *Plasmodium vivax* parasites on routine differential blood smears. The diagnosis was confirmed at the National Communicable Disease Center. Both patients were treated with chloroquine and primaquine.

The first serviceman had a history of chills, fever, sweats, and headache beginning the evening of June 9, 1967. He was admitted to the U.S. Army Hospital from June 11-16 and June 17-20. No specific diagnosis was made. He returned to duty although he noticed continuing fatique. On July 4, he was readmitted with chills and fever; the following day the diagnosis of malaria was made. The patient had been inducted into the Army from his home in Massachusetts on October 6, 1964, and had been stationed in France from March 6, 1965, until May 15, 1966. He was

(Continued on page 244)

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED
JULY 22, 1967 AND JULY 23, 1966 (29th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			
					Primary including unsp. cases		Post-Infectious	Serum		Infectious	
	1967	1966	1967	1967	1967	1966	1967	1967	1966	1967	1966
UNITED STATES...	48	62	4	1	31	35	16	39	24	598	593
NEW ENGLAND.....	4	3	-	-	3	1	1	1	1	36	22
Maine.....	-	-	-	-	-	-	-	-	-	3	3
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	1
Vermont.....	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	1	3	-	-	1	1	1	1	-	13	9
Rhode Island.....	2	-	-	-	1	-	-	-	1	2	3
Connecticut.....	1	-	-	-	1	-	-	-	-	18	6
MIDDLE ATLANTIC.....	-	10	-	-	-	6	2	15	17	78	67
New York City.....	-	-	-	-	-	2	-	8	7	30	15
New York, Up-State.	-	3	-	-	-	-	1	2	1	24	22
New Jersey.....	-	3	-	-	-	2	-	3	9	13	16
Pennsylvania.....	-	4	-	-	-	2	1	2	-	11	14
EAST NORTH CENTRAL...	6	2	-	-	10	5	3	1	-	89	83
Ohio.....	-	-	-	-	8	4	-	-	-	20	26
Indiana.....	1	-	-	-	2	-	-	-	-	8	9
Illinois.....	1	1	-	-	-	1	3	1	-	34	11
Michigan.....	4	1	-	-	-	-	-	-	-	23	34
Wisconsin.....	-	-	-	-	-	-	-	-	-	4	3
WEST NORTH CENTRAL...	2	-	1	-	1	1	3	-	-	55	44
Minnesota.....	1	-	-	-	-	-	2	-	-	8	5
Iowa.....	-	-	-	-	-	-	-	-	-	10	7
Missouri.....	-	-	-	-	-	-	-	-	-	28	29
North Dakota.....	-	-	-	-	-	1	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	1	-	-	-	-	-	-	-	1
Kansas.....	1	-	-	-	1	-	1	-	-	9	2
SOUTH ATLANTIC.....	3	12	1	-	10	7	1	2	1	58	73
Delaware.....	-	-	-	-	-	-	-	-	-	2	1
Maryland.....	2	-	-	-	1	1	1	2	-	21	22
Dist. of Columbia..	-	-	-	-	1	-	-	-	-	3	1
Virginia.....	-	-	-	-	2	2	-	-	-	6	4
West Virginia.....	-	6	-	-	-	-	-	-	1	2	4
North Carolina.....	1	1	1	-	4	2	-	-	-	8	4
South Carolina.....	-	-	-	-	-	-	-	-	-	1	3
Georgia.....	-	-	-	-	-	-	-	-	-	-	7
Florida.....	-	5	-	-	2	2	-	-	-	15	27
EAST SOUTH CENTRAL...	5	7	-	-	1	1	-	1	1	51	45
Kentucky.....	-	4	-	-	1	-	-	-	-	21	7
Tennessee.....	-	-	-	-	-	1	-	1	-	15	26
Alabama.....	5	-	-	-	-	-	-	-	1	3	2
Mississippi.....	-	3	-	-	-	-	-	-	-	12	10
WEST SOUTH CENTRAL...	16	9	1	1	3	2	-	1	-	65	52
Arkansas.....	1	-	1	-	-	-	-	-	-	3	7
Louisiana.....	3	1	-	1	2	1	-	1	-	15	13
Oklahoma.....	-	-	-	-	-	-	-	-	-	5	1
Texas.....	12	8	-	-	1	1	-	-	-	42	31
MOUNTAIN.....	1	-	-	-	1	1	-	1	-	31	12
Montana.....	-	-	-	-	1	-	-	-	-	3	-
Idaho.....	-	-	-	-	-	-	-	-	-	-	2
Wyoming.....	-	-	-	-	-	-	-	-	-	-	1
Colorado.....	-	-	-	-	-	1	-	-	-	16	-
New Mexico.....	-	-	-	-	-	-	-	-	-	10	3
Arizona.....	1	-	-	-	-	-	-	-	-	-	5
Utah.....	-	-	-	-	-	-	-	1	-	2	1
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	11	19	1	-	2	11	6	17	4	135	195
Washington.....	-	1	-	-	-	-	1	-	-	2	18
Oregon.....	-	-	-	-	-	1	-	1	-	8	13
California.....	9	18	1	-	2	10	5	16	4	121	164
Alaska.....	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	2	-	-	-	-	-	-	-	-	4	-
Puerto Rico	-	-	-	-	-	-	-	-	-	7	15

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JULY 22, 1967 AND JULY 23, 1966 (29th WEEK) - CONTINUED

AREA	MALARIA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS			RUBELLA
			Cumulative			Cumulative		Total	Paralytic		
	1967	1967	1967	1966	1967	1967	1966	1967	1967	Cum. 1967	1967
UNITED STATES...	28	356	56,049	184,028	33	1,510	2,448	2	2	13	438
NEW ENGLAND.....	1	8	808	2,171	-	58	110	-	-	-	43
Maine.....	1	-	233	192	-	3	9	-	-	-	12
New Hampshire.....	-	2	74	67	-	2	9	-	-	-	-
Vermont.....	-	-	42	221	-	-	4	-	-	-	-
Massachusetts.....	-	4	312	749	-	29	43	-	-	-	11
Rhode Island.....	-	-	60	72	-	4	12	-	-	-	3
Connecticut.....	-	2	87	870	-	20	33	-	-	-	17
MIOOLE ATLANTIC.....	2	21	2,156	17,760	6	241	283	-	-	3	40
New York City.....	-	6	417	8,193	2	40	39	-	-	1	16
New York, Up-State.	1	15	538	2,413	-	59	81	-	-	1	24
New Jersey.....	-	-	477	1,840	1	86	81	-	-	-	-
Pennsylvania.....	1	-	724	5,314	3	56	82	-	-	1	-
EAST NORTH CENTRAL...	3	36	5,077	66,990	6	201	380	-	-	-	92
Ohio.....	-	2	1,118	6,237	1	67	101	-	-	-	4
Indiana.....	-	5	584	5,585	3	28	64	-	-	-	15
Illinois.....	3	3	879	11,212	-	45	74	-	-	-	8
Michigan.....	-	7	878	13,599	2	46	102	-	-	-	40
Wisconsin.....	-	19	1,618	30,357	-	15	39	-	-	-	25
WEST NORTH CENTRAL...	1	20	2,781	8,561	1	64	134	1	1	2	2
Minnesota.....	-	-	117	1,631	1	16	31	-	-	-	-
Iowa.....	-	5	743	5,250	-	12	21	-	-	1	2
Missouri.....	-	1	330	523	-	12	54	-	-	-	-
North Oakota.....	-	11	825	1,042	-	1	7	-	-	-	-
South Oakota.....	-	-	52	40	-	6	4	-	-	-	-
Nebraska.....	-	3	621	75	-	11	8	-	-	-	-
Kansas.....	1	-	93	NN	-	6	9	1	1	1	-
SOUTH ATLANTIC.....	13	57	6,669	14,520	5	290	408	-	-	1	49
Delaware.....	-	-	43	250	-	5	4	-	-	-	-
Maryland.....	3	3	145	2,079	-	34	41	-	-	1	2
Oist. of Columbia..	-	-	22	379	-	10	10	-	-	-	-
Virginia.....	1	24	2,090	2,001	-	34	49	-	-	-	25
West Virginia.....	-	8	1,342	5,031	-	20	17	-	-	-	11
North Carolina.....	1	1	839	396	4	64	102	-	-	-	-
South Carolina.....	2	12	504	641	-	27	46	-	-	-	7
Georgia.....	6	-	32	231	1	44	57	-	-	-	-
Florida.....	-	9	1,652	3,512	-	52	82	-	-	-	4
EAST SOUTH CENTRAL...	-	44	5,044	19,295	1	121	212	-	-	1	128
Kentucky.....	-	9	1,298	4,659	-	34	80	-	-	-	115
Tennessee.....	-	29	1,785	12,008	1	50	69	-	-	-	13
Alabama.....	-	3	1,306	1,649	-	24	44	-	-	-	-
Mississippi.....	-	3	655	979	-	13	19	-	-	1	-
WEST SOUTH CENTRAL...	2	75	16,953	23,490	5	210	354	1	1	6	1
Arkansas.....	-	3	1,404	966	3	28	32	-	-	-	-
Louisiana.....	2	-	149	93	-	82	135	-	-	-	-
Oklahoma.....	-	6	3,320	470	1	15	18	-	-	1	-
Texas.....	-	66	12,080	21,961	1	85	169	1	1	5	1
MOUNTAIN.....	2	40	4,509	11,534	-	26	77	-	-	-	31
Montana.....	-	-	275	1,799	-	-	4	-	-	-	-
Idaho.....	-	6	374	1,496	-	1	5	-	-	-	1
Wyoming.....	-	-	178	144	-	1	6	-	-	-	-
Colorado.....	2	10	1,502	1,193	-	11	40	-	-	-	12
New Mexico.....	-	2	573	1,096	-	3	10	-	-	-	-
Arizona.....	-	10	983	5,202	-	4	8	-	-	-	18
Utah.....	-	12	355	561	-	4	-	-	-	-	-
Nevada.....	-	-	269	43	-	2	4	-	-	-	-
PACIFIC.....	4	55	12,052	19,707	9	299	490	-	-	-	52
Washington.....	-	7	5,391	3,417	-	25	37	-	-	-	8
Oregon.....	-	8	1,523	1,601	-	24	32	-	-	-	4
California.....	4	33	4,856	14,250	9	237	402	-	-	-	34
Alaska.....	-	2	130	318	-	9	15	-	-	-	6
Hawaii.....	-	5	152	121	-	4	4	-	-	-	-
Puerto Rico.....	-	34	2,049	2,413	-	10	9	-	-	-	4

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JULY 22, 1967 AND JULY 23, 1966 (29th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967	1967	Cum. 1967
UNITED STATES...	4,706	8	108	6	88	12	217	8	133	108	2,557
NEW ENGLAND.....	607	-	1	-	-	1	3	-	-	-	57
Maine.....	18	-	-	-	-	-	-	-	-	-	14
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	34
Vermont.....	24	-	-	-	-	-	-	-	-	-	7
Massachusetts.....	74	-	1	-	-	-	2	-	-	-	1
Rhode Island.....	30	-	-	-	-	-	-	-	-	-	1
Connecticut.....	461	-	-	-	-	1	1	-	-	-	-
MIDDLE ATLANTIC.....	225	2	9	-	-	-	21	-	17	4	48
New York City.....	5	2	5	-	-	-	10	-	-	-	-
New York, Up-State.	216	-	1	-	-	-	7	-	4	4	39
New Jersey.....	NN	-	1	-	-	-	2	-	6	-	-
Pennsylvania.....	4	-	2	-	-	-	2	-	7	-	9
EAST NORTH CENTRAL...	419	1	14	-	10	-	14	1	14	14	266
Ohio.....	80	-	4	-	-	-	4	-	7	-	94
Indiana.....	84	-	2	-	2	-	4	-	1	3	54
Illinois.....	58	1	6	-	8	-	1	1	6	3	54
Michigan.....	153	-	2	-	-	-	4	-	-	-	23
Wisconsin.....	44	-	-	-	-	-	1	-	-	8	41
WEST NORTH CENTRAL...	203	4	10	-	14	3	11	-	1	44	607
Minnesota.....	2	1	3	-	-	-	1	-	-	8	115
Iowa.....	59	1	1	-	1	-	2	-	-	4	74
Missouri.....	5	2	5	-	4	3	5	-	1	8	114
North Dakota.....	46	-	-	-	-	-	-	-	-	6	106
South Dakota.....	14	-	1	-	1	-	-	-	-	10	86
Nebraska.....	30	-	-	-	-	-	2	-	-	2	39
Kansas.....	47	-	-	-	8	-	1	-	-	6	73
SOUTH ATLANTIC.....	557	1	25	1	8	5	27	6	55	14	339
Delaware.....	2	-	-	-	-	-	-	-	-	-	-
Maryland.....	53	-	-	-	-	-	2	1	11	-	-
Dist. of Columbia..	8	-	-	-	-	-	1	-	-	-	-
Virginia.....	152	1	6	-	-	1	4	1	15	7	165
West Virginia.....	155	-	-	1	2	-	1	-	-	1	54
North Carolina.....	12	-	6	-	-	1	3	3	20	-	3
South Carolina.....	52	-	1	-	2	-	4	-	3	-	-
Georgia.....	12	-	3	-	3	3	8	1	6	3	74
Florida.....	111	-	9	-	1	-	4	-	-	3	43
EAST SOUTH CENTRAL...	878	-	18	1	8	2	32	1	21	3	502
Kentucky.....	42	-	-	-	1	1	14	-	7	-	108
Tennessee.....	763	-	8	1	5	1	6	1	10	3	357
Alabama.....	71	-	7	-	-	-	8	-	4	-	35
Mississippi.....	2	-	3	-	2	-	4	-	-	-	2
WEST SOUTH CENTRAL...	448	-	17	4	37	1	27	-	11	23	528
Arkansas.....	-	-	4	4	22	-	7	-	3	9	74
Louisiana.....	4	-	3	-	3	-	12	-	-	2	45
Oklahoma.....	51	-	-	-	9	1	4	-	6	7	166
Texas.....	393	-	10	-	3	-	4	-	2	5	243
MOUNTAIN.....	714	-	-	-	7	-	16	-	8	4	79
Montana.....	9	-	-	-	1	-	1	-	-	-	-
Idaho.....	55	-	-	-	-	-	-	-	-	-	-
Wyoming.....	4	-	-	-	2	-	-	-	-	-	4
Colorado.....	338	-	-	-	1	-	11	-	8	-	9
New Mexico.....	155	-	-	-	-	-	1	-	-	2	24
Arizona.....	71	-	-	-	-	-	3	-	-	2	38
Utah.....	82	-	-	-	3	-	-	-	-	-	1
Nevada.....	-	-	-	-	-	-	-	-	-	-	3
PACIFIC.....	655	-	14	-	4	-	66	-	6	2	131
Washington.....	89	-	-	-	2	-	-	-	1	-	1
Oregon.....	47	-	1	-	-	-	-	-	-	-	1
California.....	425	-	11	-	2	-	63	-	5	2	129
Alaska.....	29	-	-	-	-	-	-	-	-	-	-
Hawaii.....	65	-	2	-	-	-	3	-	-	-	-
Puerto Rico.....	33	-	9	-	-	-	4	-	-	1	23

Week No. 29

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JULY 22, 1967

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza	Under 1 year
	All Ages	65 years and over	All Ages	All Causes
NEW ENCLAND:	652	424	24	29
Boston, Mass.	198	116	7	10
Bridgeport, Conn.	48	31	4	-
Cambridge, Mass.	27	21	-	1
Fall River, Mass.	26	19	-	1
Hartford, Conn.	51	25	1	6
Lowell, Mass.	21	12	1	2
Lynn, Mass.	17	12	1	-
New Bedford, Mass.	30	25	1	1
New Haven, Conn.	46	29	1	3
Providence, R. I.	60	42	2	2
Somerville, Mass.	16	10	2	1
Springfield, Mass.	40	26	3	2
Waterbury, Conn.	26	20	-	-
Worcester, Mass.	46	36	1	-
MIDDLE ATLANTIC:	3,156	1,752	81	140
Albany, N. Y.	36	16	-	1
Allentown, Pa.	37	21	1	1
Buffalo, N. Y.	138	83	4	4
Camden, N. J.	39	23	1	2
Elizabeth, N. J.	25	14	-	-
Erie, Pa.	34	17	2	2
Jersey City, N. J.	63	32	2	4
Newark, N. J.	88	30	3	3
New York City, N. Y.	1,598	868	37	67
Paterson, N. J.	44	27	2	3
Philadelphia, Pa.	451	254	6	24
Pittsburgh, Pa.	195	128	5	5
Reading, Pa.	58	26	3	5
Rochester, N. Y.	101	58	4	8
Schenectady, N. Y.	20	13	-	-
Scranton, Pa.	37	26	1	1
Syracuse, N. Y.	84	48	2	8
Trenton, N. J.	45	27	2	1
Utica, N. Y.	27	22	5	-
Yonkers, N. Y.	36	19	1	1
EAST NORTH CENTRAL:	2,444	1,319	50	140
Akron, Ohio	67	32	-	5
Canton, Ohio	31	14	3	3
Chicago, Ill.	681	359	16	39
Cincinnati, Ohio	159	94	3	3
Cleveland, Ohio	202	95	4	13
Columbus, Ohio	141	68	-	10
Dayton, Ohio	70	43	-	3
Detroit, Mich.	323	174	4	22
Evansville, Ind.	40	26	2	-
Flint, Mich.	49	24	2	4
Fort Wayne, Ind.	45	25	5	1
Gary, Ind.	35	14	-	2
Grand Rapids, Mich.	37	21	4	-
Indianapolis, Ind.	158	85	2	13
Madison, Wis.	37	21	-	3
Milwaukee, Wis.	109	74	1	4
Peoria, Ill.	42	27	-	6
Rockford, Ill.	36	17	2	4
South Bend, Ind.	40	22	1	-
Toledo, Ohio	99	59	-	2
Youngstown, Ohio	43	25	1	3
WEST NORTH CENTRAL:	824	487	9	30
Des Moines, Iowa	44	26	-	1
Duluth, Minn.	26	20	-	2
Kansas City, Kans.	49	30	4	6
Kansas City, Mo.	137	74	1	6
Lincoln, Nebr.	27	19	1	-
Minneapolis, Minn.	117	74	-	4
Omaha, Nebr.	79	49	-	3
St. Louis, Mo.	230	127	-	3
St. Paul, Minn.	72	45	1	3
Wichita, Kans.	43	23	2	2
SOUTH ATLANTIC:	1,053	526	26	79
Atlanta, Ga.	99	39	3	9
Baltimore, Md.	216	117	5	7
Charlotte, N. C.	38	19	-	2
Jacksonville, Fla.	50	20	1	3
Miami, Fla.	74	41	-	2
Norfolk, Va.	46	24	1	4
Richmond, Va.	77	43	8	2
Savannah, Ga.	48	17	-	1
St. Petersburg, Fla.	68	56	2	2
Tampa, Fla.	68	40	2	4
Washington, D. C.	221	85	3	38
Wilmington, Del.	48	25	1	5
EAST SOUTH CENTRAL:	618	315	31	31
Birmingham, Ala.	91	42	-	5
Chattanooga, Tenn.	42	15	1	4
Knoxville, Tenn.	41	26	2	2
Louisville, Ky.	124	66	12	3
Memphis, Tenn.	133	64	6	9
Mobile, Ala.	43	20	-	2
Montgomery, Ala.	49	25	4	1
Nashville, Tenn.	95	57	6	5
WEST SOUTH CENTRAL:	1,072	525	29	58
Austin, Tex.	40	21	4	-
Baton Rouge, La.	40	26	4	1
Corpus Christi, Tex.	18	9	1	2
Dallas, Tex.	147	72	4	11
El Paso, Tex.	42	16	2	5
Fort Worth, Tex.	60	31	-	7
Houston, Tex.	226	102	3	11
Little Rock, Ark.	55	23	1	3
New Orleans, La.	140	63	-	5
Oklahoma City, Okla.	85	39	1	3
San Antonio, Tex.	110	59	1	8
Shreveport, La.	58	33	4	1
Tulsa, Okla.	51	31	4	1
MOUNTAIN:	462	255	23	34
Albuquerque, N. Mex.	41	17	2	6
Colorado Springs, Colo.	21	15	6	1
Denver, Colo.	128	70	3	11
Ogden, Utah	30	18	3	1
Phoenix, Ariz.	109	62	4	6
Pueblo, Colo.	12	6	2	-
Salt Lake City, Utah	63	35	1	5
Tucson, Ariz.	58	32	2	4
PACIFIC:	1,496	895	25	73
Berkeley, Calif.	13	9	-	-
Fresno, Calif.	49	29	2	6
Glendale, Calif.	30	24	-	1
Honolulu, Hawaii	53	29	4	1
Long Beach, Calif.	75	42	2	4
Los Angeles, Calif.	479	279	6	23
Oakland, Calif.	55	39	-	1
Pasadena, Calif.	40	29	-	-
Portland, Oreg.	131	77	-	3
Sacramento, Calif.	59	33	1	3
San Diego, Calif.	75	41	-	10
San Francisco, Calif.	184	101	2	7
San Jose, Calif.	36	27	-	1
Seattle, Wash.	124	75	5	9
Spokane, Wash.	61	38	1	2
Tacoma, Wash.	32	23	2	2
Total	11,777	6,498	298	614

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages ----------363,864
All Causes, Age 65 and over----------208,704
Pneumonia and Influenza, All Ages---------- 13,287
All Causes, Under 1 Year of Age---------- 18,398

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INTRODUCED MALARIA – Fort Campbell, Kentucky

(Continued from page 239)

then assigned to Fort Campbell on June 6, 1966, where he has worked for the past year as a copy-writer.

The second serviceman noted onset of chills, fever, nausea, and headache on July 1, 1967. These symptoms continued intermittently until July 5 when he was hospitalized and the diagnosis of malaria was made. The patient had been stationed at Fort Campbell working as a truck driver since April 4, 1967; for the 4 months prior to that time he had been at Fort Polk, Louisiana, for his basic military training.

Neither patient had visited countries where malaria transmission is occurring; the second serviceman had never been abroad. Neither had a history of blood transfusions, commonly shared syringes, or unexplained fever episodes preceding the present hospitalizations. Both men work in the Public Information Office of the U.S. Army Training Center at Fort Campbell. Although they have had no social activities in common, they have slept in adjoining bunks in the same barrack since May 12, 1967.

Between March 15 and July 1, 1967, 69 parasitologically-proved vivax cases are known to have occurred at Fort Campbell among returning servicemen from Vietnam. Of this total, 4 lived in the proximity of the barrack of the two patients; they had fever and chills during the period that they could have served as possible sources of infection for one or more anopheline mosquitoes which infected the two patients.

Light trap mosquito catches and larval collections are routinely conducted at Fort Campbell. Adult *Anopheles punctipennis* were found on May 5, 1967, and larvae of this species on June 2 and 6, 1967. An entomological survey on June 12 revealed the presence of one female *A. quadrimaculatus* underneath the barrack of the patients and two under an adjacent barrack.

Epidemiologic investigations are continuing to identify the most likely index case and to detect any additional cases of malaria.

(Reported by Dr. Calixto Hernandez, Medical Director, Division of Epidemiology, Kentucky State Department of Health; Colonel Jules McNerney, M.C., Commanding Officer, U.S. Army Hospital, and Captain Bryan Nelson, M.C., Preventive Medicine Officer, both at Fort Campbell, Kentucky; and a team from the Aedes Aegypti Eradication and Epidemiology Programs, NCDC.)

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THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
NATIONAL COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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